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AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1-55. (canceled).

56. (currently amended): A lipid represented by formula (2a):

$$[TM]_{u}$$
- $(L^{4})_{v}[R^{7}]_{p}$ - $(L^{3})_{q}$ - $[R^{6}]_{m}$ - $(L^{1})_{n}$ - $[-C(R^{2})(R^{3})(R^{4})]$ (2a)

wherein:

TM is an antibody or an antigen binding fragment or derivative thereof,

u is an integer 1 or 2,

$$L^4$$
 is $-(Alk^1)_t(X^1)_s(Alk^2)_{t-1}$

wherein X1 is an -0- atom; a -S- atom; -C(0)-; -C(0)0-; -C(S)-; -S(0); -S(0)2-; -N(R5)-; -

$$CON(R^5)\text{-}; -OC(0)N(R^5)\text{-}; -CSN(R^5)\text{-}; -N(R^5)CO\text{-}; N(R^5)C(0)O\text{-}; -N(R^5)CS\text{-}; -S(O)N(R^5)\text{-};$$

$$-S(0)_2N(R^5)$$
-; $-N(R^5)S(0)$ -; $-N(R^5)S(0)_2$ -; $-N(R^5)CON(R^5)$ -; or $-N(R^5)SO_2N(R^5)$ -,

wherein R⁵ is a hydrogen atom, a straight or branched alkyl group or an -Alk¹X¹- chain; wherein in any of the groups containing two R⁵ substituents each R⁵ may be the same or

different;

wherein Alk¹ and Alk², which may be the same or different, is each an optionally substituted straight or branched C₁₋₁₀alkylene, C₂₋₁₀alkenylene or C₂₋₁₀alkynylene chain optionally interrupted or terminated by at least one carbocyclic or heterocarbocyclic groups and/or heteroatoms or heteroatom containing groups X¹; and

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r, s, and t, which may be the same or different, is each zero or the integer 1, provided that when one of r, s or t is zero, at least one of the remainder is the integer 1[[_]],

v is zero or the integer 1,

$$L^{1}$$
 is $-X^{1}Alk^{2}$ - or $-[X^{1}]_{2}Alk^{1}X^{1}Alk^{2}$ -,

wherein
$$X^{1}$$
 is an -0- atom; a -S- atom; -C(0)-; -C(0)0-; -C(S)-; -S(0); -S(0)2-; -N(R⁵)-;

$$-CON(R^5) -; \ -OC(O)N(R^5) -; \ -CSN(R^5) -; \ -N(R^5)CO -; \ N(R^5)C(0)0 -; \ -N(R^5)CS -; \ -S(O)N(R^5) -; \ -N(R^5)CS -;$$

$$-S(0)_2N(R^5)$$
-; $-N(R^5)S(0)$ -; $-N(R^5)S(0)_2$ -; $-N(R^5)CON(R^5)$ -; or $-N(R^5)SO_2N(R^5)$ -;

wherein R^5 is a hydrogen atom, a straight or branched alkyl group or an -Alk 1 X 1 - chain, wherein in any of the groups containing two R^5 substituents each R^5 may be the same or different;

wherein Alk¹ and Alk², which may be the same or different, is each an optionally substituted straight or branched C_{1-6} alkylene, C_{2-6} alkenylene or C_{2-6} alkynylene chain optionally interrupted or terminated by at least one carbocyclic or heteroarbocyclic groups and/or heteroatoms or heteroatom containing groups $X^1[[\]]$.

m is an integer of from 1 to 6,

n is zero or the integer 1;

 ${\bf R}^7$ is a hydrophilic hydrocarbon containing at least two atoms or groups capable of being solvated by water;

p is an integer of from 1 to 6;

$$L^{3}$$
 is $-X^{1}$ -, $-X^{1}Alk^{1}X^{1}$ - or $[X^{1}Alk^{1}]_{1}X^{1}Alk^{2}X^{1}$,

wherein
$$X^l$$
 is an -0- atom; a -S- atom; -C(0)-; -C(0)0-; -C(S)-; -S(0); -S(0)2-; -N(R⁵)-;

$$-CON(R^5)-; -OC(0)N(R^5)-; -CSN(R^5)-; -N(R^5)CO-; N(R^5)C(0)0-; -N(R^5)CS-; -S(0)N(R^5)-; -S(0)N($$

$$-S(0)_2N(R^5)-; -N(R^5)S(0)-; -N(R^5)S(0)_2-; -N(R^5)CON(R^5)-; \text{ or } -N(R^5)S0_2N(R^5)-\text{ group}; \\$$

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wherein R⁵ is a hydrogen atom, a straight or branched alkyl group or an -Alk¹X¹- chain; wherein in any of the groups containing two R⁵ substituents each R⁵ may be the same or different:

wherein Alk¹ and Alk², which may be the same or different, is each an optionally substituted straight or branched C_{1-6} alkylene, C_{2-6} alkenylene or C_{2-6} alkynylene chain optionally interrupted or terminated by at least one carbocyclic or heteroarbocyclic groups and/or heteroatoms or heteroatom containing groups X^1 :

g is zero or an integer of from 1 to 6;

R⁶ is a hydrocarbon chain;

R² is a hydrogen atom or an optionally substituted aliphatic, cycloaliphatic, heteroaliphatic, heterocycloaliphatic, aromatic or heteroaromatic group optionally containing one or more cationic centers; and

R³ and R⁴, which may be the same or different, is each an optionally substituted aliphatic, cycloaliphatic, heteroaliphatic, heterocycloaliphatic, aromatic or heteroaromatic group containing one of more cationic centers or R³ and R⁴ together with the carbon atom to which they are attached form a cycloaliphatic, heterocycloaliphatic, aromatic or heteroaromatic group containing two or more cationic centers.

57. (canceled).

58. (previously presented): The lipid according to Claim 56, wherein u is the integer

1.

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59. (previously presented): The lipid according to Claim 56, wherein:

v is the integer 1.

60. (currently amended): The lipid according to Claim 56, wherein v is the integer

 $\underline{1 \text{ and }} L^4 \text{ is an -NHCO}(Alk^2)_{t^-} \text{ group } \underline{\text{in which }} \underline{Alk^2 \text{ is a straight or branched }} \underline{C_{l-10} \text{ alkylene chain}}$

and t is zero or the integer 1.

61. (previously presented): The lipid according to Claim 56, wherein R² is a

hydrogen atom; and R³ and R⁴ are each Sp¹[WSp²]_bWSp³ or -Sp¹[WSp²]_bWH, wherein Sp¹, Sp²

and Sp³, which may be the same or different, is each a spacer group, W is a cationic center and b

is zero or an integer from 1 to 6.

62. (previously presented): The lipid according to Claim 61, wherein Sp¹, Sp² and

Sp³ is each an optionally substituted aliphatic, cycloaliphatic, heteroaliphatic,

heterocycloaliphatic, aromatic or heteroaromatic group.

63. (previously presented): The lipid according to Claim 62, wherein Sp¹, Sp² and

Sp3 is each an optionally substituted C1-6alkylene chain.

64. (previously presented): The lipid according to Claim 61, wherein W is a -NH-

group.

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65. (previously presented) The lipid according to Claim 61, wherein b is an integer of from 1 to 3.

- 66. (previously presented): The lipid according to Claim 56, wherein $-C(R^2)(R^3)(R^4)$ is $-CH[Sp^1NHSp^2NH_2]_2$, $-CH[Sp^1NHSp^2NHSp^2NH_2]_2$ or $-CH[Sp^1NHSp^2NHSp^2NHCH_3]_2$, wherein Sp^1 is $-CH_2$ and each Sp^2 is $-(CH_2)_3$ or $-(CH_2)_4$ -.
- 67. (previously presented): The lipid according to Claim 56, wherein n in -(L^{l})_n- is the integer 1.
 - 68. (canceled).
- 69. (previously presented): The lipid according to Claim 67, wherein X^1 is a -CONH- group, Alk^1 is a -CH₂-CH₂ chain and Alk^2 is a -(CH₂)₄- chain, -(CH₂)₅- chain or -(CH₂)₆- chain.
- 70. (previously presented): The lipid according to Claim 56, wherein m is an integer 1 or 2.
- 71. (previously presented): The lipid according to Claim 56, wherein R^6 is an optionally substituted $C_{10.60}$ aliphatic chain.

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72. (previously presented): The lipid according to Claim 71, wherein R^6 is a linear, optionally substituted $C_{16\cdot38}$ alkylene chain.

73. (previously presented): The lipid according to Claim 56, wherein q is the integer 1 and p is the integer 1 or 2.

74. (canceled).

- 75. (previously presented): The lipid according to Claim 56, wherein L³ is a -NHC0-, -CONH-, -CONH(CH₂)₂NHCO-, or -[CONH(CH₂)₂-]₂NCO(CH₂)₂CONH group.
- 76. (previously presented): The lipid according to Claim 56, wherein R⁷ is a synthetic or naturally occurring polyol or a poly(alkylene oxide) or a derivative thereof.
- 77. (previously presented): The lipid according to Claim 76, wherein R⁷ is a poly(alkylene oxide) or a derivative thereof.
- 78. (previously presented): The lipid according to Claim 77, wherein \mathbb{R}^7 is a poly(ethylene oxide).
- 79. (previously presented): The lipid according to Claim 59, wherein R^5 is a methyl or ethyl group.

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 $\textbf{80.} \qquad \textbf{(previously presented):} \ \, \text{The lipid according to Claim 67, wherein } R^5 \text{ is a methyl} \\ \text{or ethyl group.} \\$

81. (previously presented): The lipid according to Claim 56, wherein R⁵ is a methyl or ethyl group.